

WE CLAIM:

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- 1. A cover latch for a dispenser comprising:
- a pull rod;¹⁶
 - a handle¹⁴ attached on one end to said pull rod;
 - a support member attached to another end of said pull rod;
 - a plurality of latches attached to said support member for engaging corresponding catches in the dispenser when said cover latch is in a locked position; and
 - a plurality of springs attached to said support member for maintaining said cover latch in the locked position, wherein pulling said handle compresses said plurality of springs and disengages said plurality of latches from the catches.
- 2. The cover latch as set forth in claim 1, further comprising:
- an O-ring arranged around said pull rod to seal an opening in the dispenser through which said pull rod is pulled using said handle.
- 3. The cover latch as set forth in claim 1, wherein
- said handle is attached at its center to said pull rod.
- 4. The cover latch as set forth in claim 1, wherein
- said pull rod has a circular cross section.

- 5. The cover latch as set forth in claim 1, wherein
said support member is formed in a shape of a letter U.
- 6. The cover latch as set forth in claim 5, wherein
said pull rod is attached to a center of a bottom of said U-shaped support member;
said plurality of latches are attached to each arm of said U-shaped support member,
oriented away from said pull rod; and
said plurality of springs are attached to the bottom of said U-shaped support member,
oriented toward said pull rod.
- 7. The cover latch as set forth in claim 1, wherein
said plurality of springs are leaf springs.
- 8. The cover latch as set forth in claim 1, wherein
said plurality of latches include latch ramps that slide along the corresponding catches
in the dispenser when a cover of the dispenser is being closed, thereby compressing the
plurality of springs until the corresponding catches clear the latch ramps, thereby expanding
the plurality of springs, moving the cover latch into the locked position and engaging the
corresponding catches with said plurality of latches.
- 9. The cover latch as set forth in claim 1, wherein
said handle and said pull rod are formed as a single unit.

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